



HDAX[®] 5500 LFG GAS ENGINE OIL

SAE 40

PRODUCT DESCRIPTION

HDAX[®] 5500 LFG Gas Engine Oil is an advanced performance, premium quality, medium ash, dispersant/ detergent type gas engine oil formulated specifically for landfill and sour gas applications.

CUSTOMER BENEFITS

HDAX 5500 LFG Gas Engine Oil delivers value through:

- **Excellent corrosion control** — Formulated to protect engines burning high C-F-C and high sulfur containing fuels, even under intermittent operating conditions where high levels of acidic condensate form.
- **Combustion chamber deposit control** — Provides excellent corrosion control without the high ash levels which can cause excessive combustion chamber deposits that can lead to preignition and detonation.
- **Valve recession control** — Provides improved valve recession control over low ash formulations in those engines where medium ash oils are preferred.
- **Extended drain capability** — Provides extended drain performance in conventional, sweet gas applications where used oil disposal concerns are especially important.
- **Clean pistons** — API Service Category CD¹ performance provides exceptional piston deposit control to help prevent ring sticking and maintain clean, varnish-free piston skirts.
- **NSCR catalyst compatibility** — Low phosphorus content means compatibility with Engelhard NSCR catalysts.
- **Minimum viscosity increase** — Excellent oxidation and nitration resistance to ensure minimum viscosity increase.

¹ Obsolete specification.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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GEO-50

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- **Clean crankcases and top decks** — Minimizes the formation of sludge in the crankcase and in the rocker cover/top-deck area.
- **Low wear** — Provides excellent protection against corrosion, adhesive wear, and piston ring/liner scuffing and scoring.

FEATURES

HDAX 5500 LFG Gas Engine Oil is formulated with premium group II base oil technology and an additive package containing ashless dispersants, oxidation inhibitors, metallic detergents, and a metallic antiwear additive to protect engines from the corrosive combustion by-products encountered when landfill and sour gas are used.

HDAX 5500 LFG Gas Engine Oil provides excellent corrosion resistance in landfill and sour gas applications, even when intermittent operation results in the formation of significant levels of acidic condensate. At 0.7 wt % ash, HDAX 5500 LFG Gas Engine Oil gives this performance without the higher levels of combustion chamber deposits compared to some other products used in this application.

It also provides excellent valve protection for those four-stroke engines where medium ash oils are preferred (e.g., Superior and Waukesha).

HDAX 5500 LFG Gas Engine Oil provides excellent piston deposit control to minimize ring sticking.

APPLICATIONS

HDAX® 5500 LFG Gas Engine Oil is recommended for:

- four-stroke engines fueled by landfill gas containing elevated levels of Chloro-Fluoro-Carbons (C-F-Cs).
- sour gas applications where corrosive wear is a special concern.
- engines where increased ash levels are preferred to improved valve recession control and head life.

The elevated base number and deposit control performance of HDAX 5500 LFG Gas Engine Oil make this premium oil especially suited for extended drain service in four-stroke gas engines.

HDAX 5500 LFG Gas Engine Oil meets the performance requirements of **API Service Category CD²**.

HDAX 5500 LFG Gas Engine Oil is approved by **Waukesha** for use in landfill applications.

TYPICAL TEST DATA

SAE Grade	40
<i>Product Number</i>	232325
<i>SDS Number</i>	32273
Density at 15°C, kg/L	0.8833
Viscosity, Kinematic cSt at 40°C cSt at 100°C	145 15.1
Viscosity Index	105
Flash Point, °C(°F)	232(450)
Pour Point, °C(°F)	-24(-11)
Sulfated Ash, wt %	0.71
Acid Number, ASTM D664	1.8
Base Number, ASTM D2896	6.0
Phosphorus, ppm	270
Zinc, ppm	310

Minor variations in product typical test data are to be expected in normal manufacturing.

² Obsolete specification.

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